```
L1      STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l1
SAMPLE SEARCH INITIATED 14:19:41 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      2 TO ITERATE

100.0% PROCESSED       2 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            2 TO      124
PROJECTED ANSWERS:               0 TO        0

L2            0 SEA SSS SAM L1

=> s l1 ful
FULL SEARCH INITIATED 14:19:46 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     14 TO ITERATE

100.0% PROCESSED      14 ITERATIONS                                1 ANSWERS
SEARCH TIME: 00.00.01

L3            1 SEA SSS FUL L1

=> d

L3   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2003 ACS
RN   344395-13-7  REGISTRY
CN   Carbamic acid, [1,1'-biphenyl]-2-yl-, 1-[8-[3-(acetylmethylamino)-1-
     pyrrolidinyl]octyl]-4-methyl-4-piperidinyl ester (9CI)  (CA INDEX NAME)
FS   3D CONCORD
MF   C34 H50 N4 O3
SR   CA
LC   STN Files:   CA, CAPLUS
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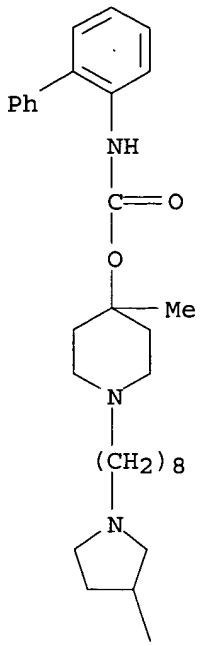
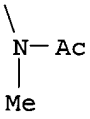
PAGE 1-A



PAGE 2-A



**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> fil caplus

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| FULL ESTIMATED COST | 153.83 | 154.04 |

FILE 'CAPLUS' ENTERED AT 14:20:05 ON 30 APR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 30 Apr 2003 VOL 138 ISS 18
FILE LAST UPDATED: 29 Apr 2003 (20030429/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3
L4 1 L3

=> d fbib abs fhitstr

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 2001:435044 CAPLUS
DN 135:46099
TI Preparation of carbamate derivatives having muscarinic receptor antagonist activity
IN Mammen, Mathai; Oare, David
PA Advanced Medicine, Inc., USA
SO PCT Int. Appl., 138 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI | WO 2001042212 | A1 | 20010614 | WO 2000-US33156 | 20001207 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
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| | EP 1235802 | A1 | 20020904 | EP 2000-983991 | 20001207 |
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| | | | | US 1999-456170 A | 19991207 |
| | | | | WO 2000-US33156W | 20001207 |

PATENT FAMILY INFORMATION:
FAN 2001:435045

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FAN 2002:315471

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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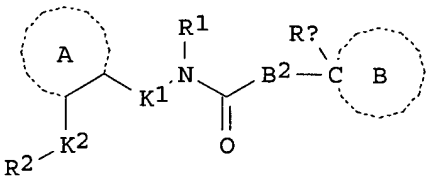
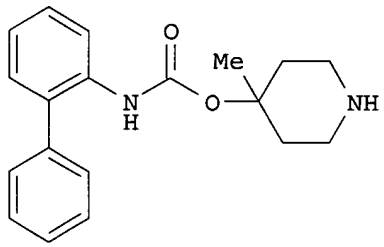
OS MARPAT 135:46099

GI




II




III

AB The title compds. L1XL2 [I; L1 = II (A = (hetero)aryl; B2 = O; Rx = alkyl, alkenyl, alkynyl, etc.; R1 = H, alkyl; R2 = heterocyclyl, etc.; K1 = a bond, alkylene, K2 = a bond, CO, SO2, etc.; B = heterocycloamino, heteroarylamino); X = a linker; L2 = an org. group comprising at least one primary, secondary or tertiary amine] which are muscarinic receptor antagonists and agonists, were prepd. and formulated. E.g., a 3-step synthesis of III was given. Biol. data for compds. I were given.

IT **344395-13-7P**

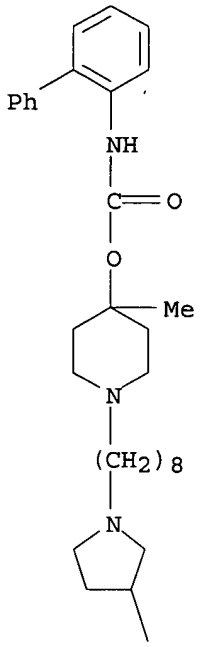
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of carbamate derivs. having muscarinic receptor antagonist activity)

RN 344395-13-7 CAPLUS

CN Carbamic acid, [1,1'-biphenyl]-2-yl-, 1-[8-[3-(acetylmethylamino)-1-pyrrolidinyl]octyl]-4-methyl-4-piperidinyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

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